

Quick Infusion Set-Up Guide

Ivac 572



Quick Start-Up Guide

Setting up an infusion for the Ivac 572

- Before you start check that your rate calculations are correct.
- Try these and see how you get on.

Rate Calculation

250ml to be infused in 2 hours 30 minutes.

When calculating rates, change the time of infusion into minutes e.g. 2hours 30 mins = 150 mins, therefore to calculate this rate: -

$$\frac{60}{150} \times 250 = 100 \text{ ml/hr}$$

The rate of infusion is therefore 100ml/hr.

1000ml to be infused in 8 hour 30 minutes = 100ml/hr.

Again change the time of infusion into minutes, 8 hour 30 minutes = 510 minutes, to calculate this rate: -

$$\frac{60}{510} \times 1000 = 117.6 \text{ ml/hr}$$

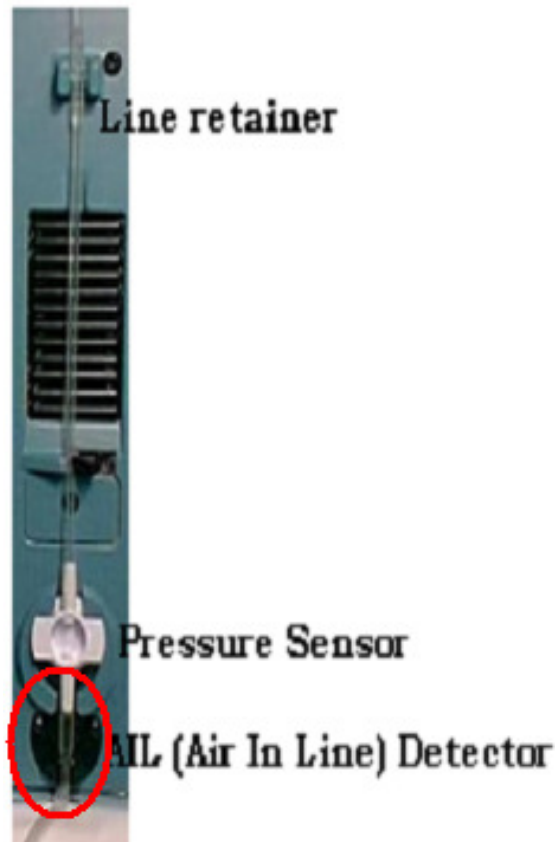
The rate of infusion is therefore 118 ml/hr

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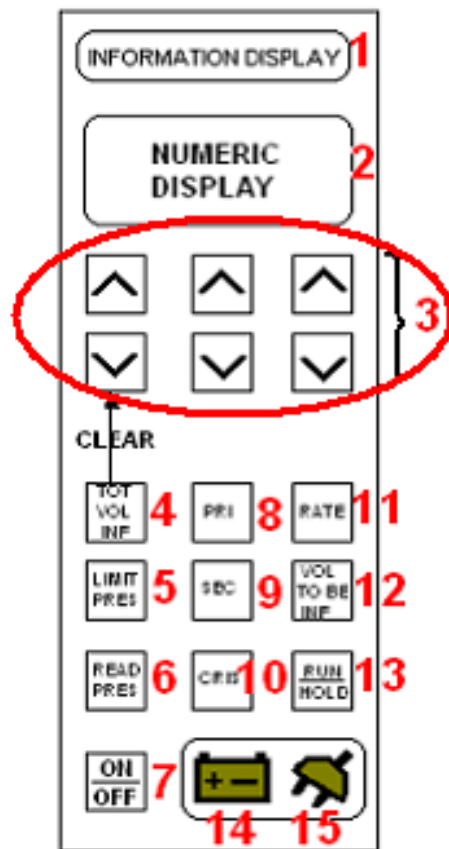
- ❑ Press the ON/OFF key (Circled in **RED**); the pump will go through a short 'self test' which is a power up sequence, wait until the power up sequence has finished.
- ❑ The TOT VOL INF can be re-set at this point by pressing the TOT VOL INF key along with the 100's down arrow (as shown on the pump to clear; circled in **YELLOW**). This will clear all the previous total fluid volumes.

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- ☐ Identify the correct giving set.
- ☐ Set the line as shown opposite ensuring that the pressure sensor is securely fitted, and that the line passes over the AIL detector (circled in **RED**).
- ☐ During an AIL error code clean the sensor this may clear the error code.

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- ❑ Connect flow sensor (as seen below) if required; ensure that the sensors are placed on the 'clear' part of the drip chamber. Ensuring that the flow sensor is clean will lessen some error codes
- ❑ Press Rate Key (key **11**) and set rate to 155ml by pressing the UP/DOWN arrows shown opposite circled in **RED**.



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- ☐ Press VOL TO BE INF key (circled in RED) and set it to 150ml.
- ☐ Press RUN key circled in YELLOW and follow the instructions until infusion begins.
- ☐ Once the infusion begins ensure that the flow indicator bar (circled in blue opposite) rotates during infusion, and that it will change from a rotating bar to a circle. Each circle represents a drip being detected.



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- ☐ To check how much volume has been infused press the TOT VOL INF key, circled in **RED**.
- ☐ To check what the pressure is press the 'READ PRES' key, circled in **YELLOW**.
- ☐ Once the infusion has completed, it will alarm and the display screen will show INFUSION COMPLETE KVO 5.0ml/HR.
- ☐ The KVO (Keep Vein Open) indicates that the pump will continue to infuse at 5ml/hl, to stop the KVO press the hold key.

Stopping an infusion.



- ☐ Stop the infusion by pressing the RUN/HOLD key.
- ☐ Remove the giving set from the patient.
- ☐ Turn the pump off by pressing the On/Off key.
- ☐ Before storing the pump discard the giving set safely as per hospital policy.
- ☐ Ensure that the pump is clean before storing.
- ☐ Always ensure that the pump is plugged into the mains socket so that the pump is continually charging.